

1. What is the primary objective of the National Green Hydrogen Mission?

- A. To reduce carbon emissions by 50%
- B. To make India a global hub for producing, utilising, and exporting Green Hydrogen and its derivatives
- C. To develop electric vehicles infrastructure
- D. To promote the use of solar energy



- ✓ **The Ministry of New and Renewable Energy issued guidelines for funding under the National Green Hydrogen Mission, approved by the Union Cabinet on January 4, 2023. The mission aims to make India a global hub for producing, utilizing, and exporting green hydrogen. Key components include financial incentives for domestic electrolyser manufacturing and green hydrogen production, pilot projects, development of Green Hydrogen Hubs, the Strategic Hydrogen Innovation Partnership (SHIP) for R&D, and a coordinated skill development program.**

2. What is 'Apophis'?

- A. Asteroid
- B. Black hole
- C. Submarine
- D. Invasive weed



- ✓ **At Asteroid Day 2024, ISRO Chairperson announced plans to study asteroid, 'Apophis' in 2029 when it comes within 32,000 km of Earth to enhance planetary defense efforts. Discovered in 2004, Apophis is a near-Earth object once considered highly hazardous. However, radar observations in March 2021 confirmed there is no risk of Apophis impacting Earth for at least the next century.**

3. Recently, the National Commission for Protection of Child Rights (NCPCR) declared the mica mines of which state child-labor-free?

- A. Madhya Pradesh
- B. Jharkhand
- C. Odisha
- D. Gujarat



- ✓ **The National Commission for Protection of Child Rights (NCPCR) declared Jharkhand's mica mines child labor-free on July 5, 2024. The initiative began 20 years ago, involving state and central governments, civil society, and local authorities. Around 20,000 children were previously employed in mica mining but have since been rehabilitated and enrolled in schools.**

4. Kaziranga National Park is located in which state?

- A. Nagaland
- B. Manipur
- C. West Bengal
- D. Assam



- ✓ A lone female gharial has been spotted for over three years in Kaziranga National Park and Tiger Reserve. Gharials, or *Gavialis gangeticus*, are freshwater crocodiles once widespread across South Asia but now found mainly in fragmented populations in Nepal and northern India. They are critically endangered, with a global population reduced to a few hundred. Males can reach 20 feet, while females grow up to 15 feet.

5. Krishna Raja Sagara (KRS) Dam is located in which state?

- A. Maharashtra
- B. Karnataka
- C. Madhya Pradesh
- D. Telangana



- ✓ The Krishnaraja Sagar (KRS) reservoir across the Cauvery River recently breached the 100-foot mark, with a maximum level of 124.80 feet. Located in Mandya, Karnataka, the gravity dam was constructed between 1911 and 1931. Named after Maharaja Krishna Raja Wadiyar IV and designed by Sir M. Visvesvaraya, its primary purposes are irrigation, hydroelectric power, and drought mitigation. The reservoir covers 130 sq. km.

6. What is the primary objective of the SEHER programme?

- A. To improve health care services
- B. To enhance financial literacy and business skills among women entrepreneurs
- C. To promote sports activities
- D. To develop new technologies



- ✓ NITI Aayog's Women Entrepreneurship Platform (WEP) and TransUnion CIBIL have launched the SEHER programme to enhance financial literacy and business skills among women entrepreneurs. This initiative aims to improve access to financial tools for business growth and job creation, supporting WEP's goal of improving financing for India's 63 million MSMEs. Launched in 2018, WEP supports women entrepreneurs through promotion, finance access, market linkages, training, mentoring, and business development services.

7. Kalamkari Art Form is related to which state?

- A. Andhra Pradesh
- B. Uttar Pradesh
- C. Assam
- D. Nagaland



- ✓ **Kalamkari art, a once-flourishing hand-painted or block-printed cotton textile tradition, now struggles due to power looms and rising raw material costs. Practiced in Andhra Pradesh, Kalamkari originated in the Tilang region (now Andhra Pradesh and Telangana) during the 16-17th century under the Qutb Shahis of Golconda. The term "Kalamkari" combines "Kalam" (pen) and "Kari" (craftsmanship). It features two distinct styles: Srikalahasti and Pedana.**

8. Which ministry launched Indo-French Liver and Metabolic Disease Network (InFLiMeN) in collaboration with Government of France?

- A. Ministry of Earth Sciences
- B. Ministry of Science and Technology
- C. Ministry of External Affairs
- D. Ministry of Home Affairs



विज्ञान एवं
प्रौद्योगिकी मंत्रालय
MINISTRY OF
**SCIENCE AND
TECHNOLOGY**

- ✓ **The Ministry of Science and Technology launched the Indo-French Liver and Metabolic Disease Network (InFLiMeN) with the French government. InFLiMeN, based at the Institute of Liver and Biliary Sciences in New Delhi, is a joint research program promoting scientific exchanges and collaborative projects to combat liver and metabolic disorders. Notably, every third Indian has fatty liver, which precedes Type 2 Diabetes, highlighting InFLiMeN's significance in addressing this issue.**

9. Which company has recently launched the world's first compressed natural gas (CNG)-powered two-wheeler?

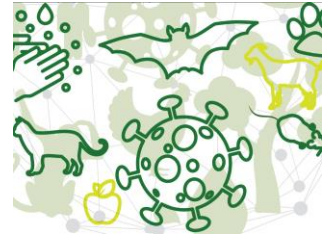
- A. Yamaha
- B. Bajaj Auto
- C. Hero
- D. TVS



- ✓ **Bajaj Auto launched the world's first CNG-powered two-wheeler, the Freedom 125, in Pune. Priced at around Rs 95,000, this entry-level vehicle aims to revolutionize the motorcycle market. CEO Rajiv Bajaj highlighted its freedom from petrol reliance. It has a 125cc engine.**

10. Which day is observed as World Zoonoses Day every year?

- A. July.06
- B. August.16
- C. August.06
- D. July.16



- ✓ World Zoonoses Day, observed on 6 July each year, commemorates Louis Pasteur's first rabies vaccine administered in 1885. It raises awareness about diseases transmissible between animals and humans, known as zoonoses. These diseases, caused by pathogens like viruses, bacteria, and parasites, can spread through direct contact, contaminated food or water, or vectors like mosquitoes. The 2024 theme, "One World, One Health: Prevent Zoonoses," underscores the global effort needed to break transmission cycles and prevent future pandemics.

11. Recently, the Government of India has mandated conformity to the Bureau of Indian Standards (BIS) for which materials?

- A. Stainless steel and Aluminium utensils
- B. Brass flanges
- C. Plastic products
- D. Wooden Handicrafts



- ✓ The Government of India recently mandated that stainless steel and aluminum utensils must adhere to Bureau of Indian Standards (BIS) specifications. This move aims to improve kitchen safety, quality, and efficiency. Issued by the Department for Promotion of Industry and Internal Trade (DPIIT) on March 14, 2024, the Quality Control Order requires the ISI mark on these utensils, with non-compliance subject to penalties.

12. "Iron-Dome" Akash Surface-to-Air Missile (SAM), recently seen in news, was indigenously designed and developed by which organization?

- A. ISRO
- B. HAL
- C. DRDO
- D. BHEL



- ✓ The Indian "Iron-Dome" Akash Surface-to-Air Missile (SAM) is competing with China's Sky Dragon-50 for an order from Brazil. Developed by India's DRDO and produced by Bharat Dynamics Ltd, Akash SAM defends against air threats, including fighter jets and ballistic missiles. It operates with the Indian Army and Air Force, featuring a Rajendra radar for target guidance.

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